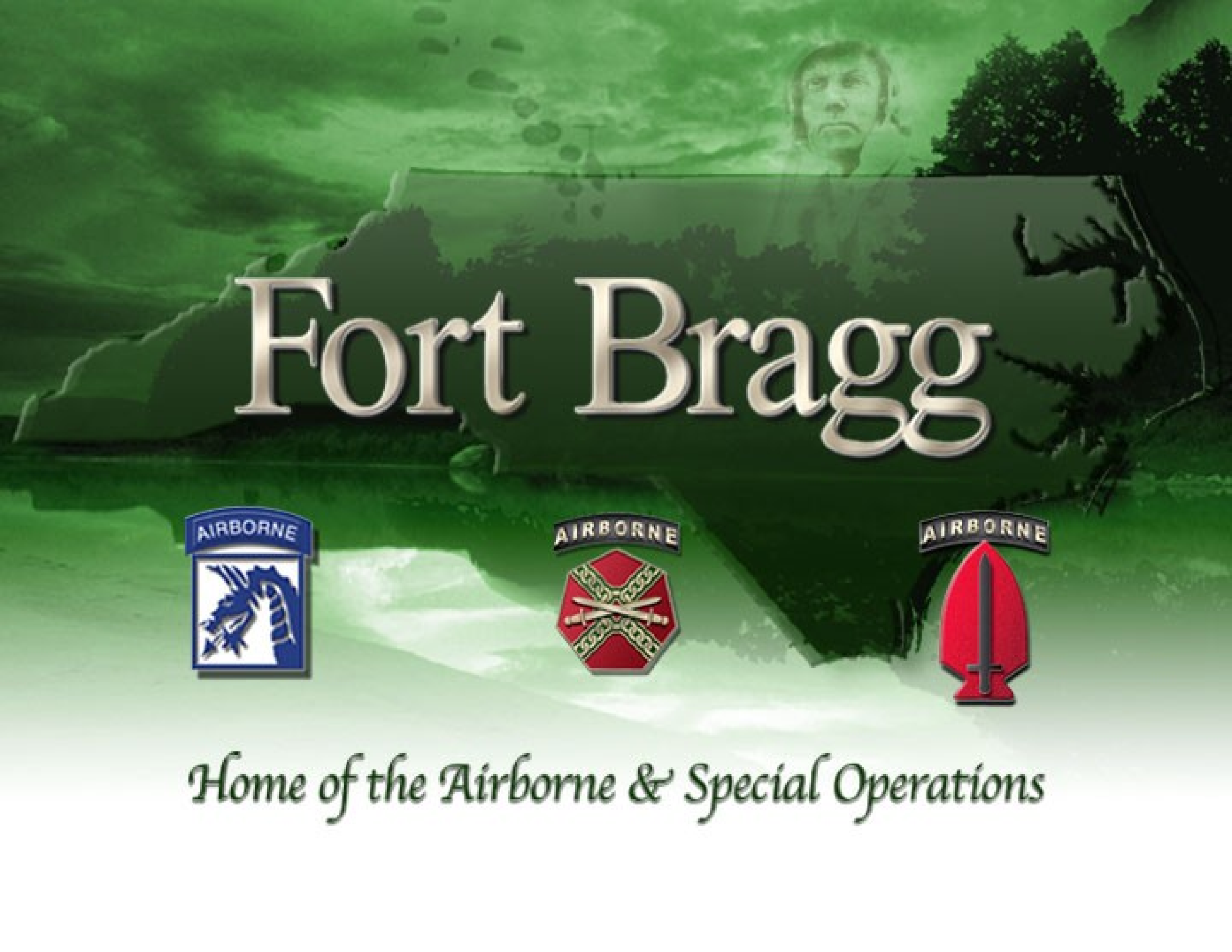

Fort Bragg
AIRBORNE
AIRBORNE
AIRBORNE
Home of the Airborne & Special Operations

FORT BRAGG - "More Than A City"

Size: 251 Square Miles (160,789 Acres)

- **Office Buildings: 30.2M SF**
- **Shopping Centers: 11**
- **Restaurants: 28**
- **Railroad Lines: 19 miles**
- **Roads and Utilities**
  - **784 Lane Miles Paved Roads**
  - **Utilities: Water, Waste Water, Electricity, Natural Gas**
- **IT Structure**
  - **511 miles fiber optic cable**
  - **11,281 miles copper cable**
- **Simmons Army Airfield**
- **Camp Mackall**
- **Museums: 2**

- **Hospital: 1**
  - **Medical Clinics: 4**
  - **Dental Clinics: 5**
- **Schools**
  - **Elementary: 7**
  - **Junior High/Middle: 2**
- **Army Family Housing**
  - **4,643 On-Post**
  - **250 Off-Post**

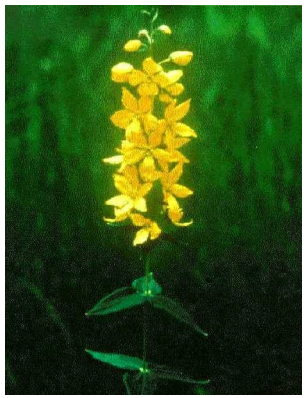
  (Approximately 27,000 Soldiers Reside Off-Post)
- **Churches: 11**
- **Consolidated Library: 1**
- **Child Care Centers: 4**
- **Recreational Facilities: 183**

INSTALLATION PRIORITIES

1. AC Deployments / RC Mobilization and Demobilization
2. Force Protection
3. Budget
4. Base Realignment & Closure (BRAC) 05 Input
5. Family / Community Support
6. Environmental Sustainability
7. Productivity Management

INSTALLATION CHALLENGES

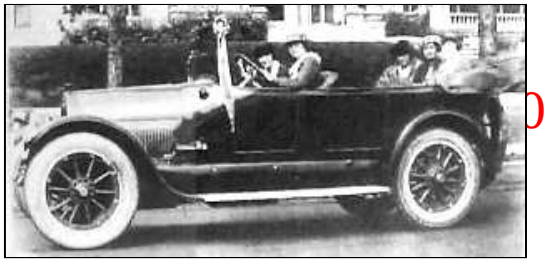
- Balance customer requirements with available resources
- Sustain workforce morale and competencies in the wake of CA Study transitions
- Keep pace with emerging technologies
- Maximize resource capabilities through increased partnerships



2009.3.5 09:40

Water Treatment Plant

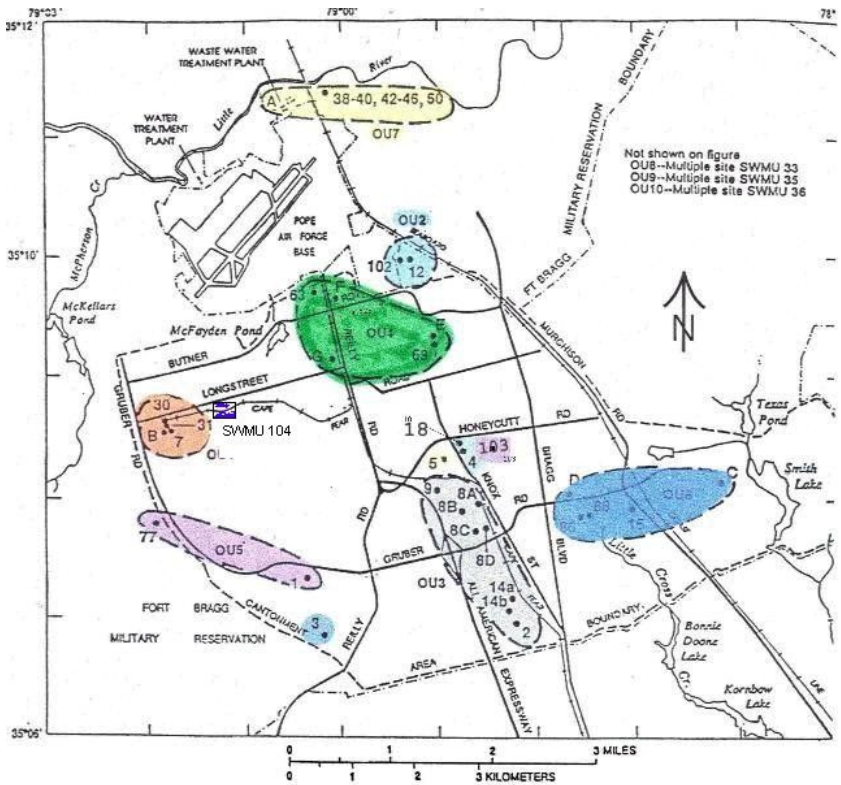
1918

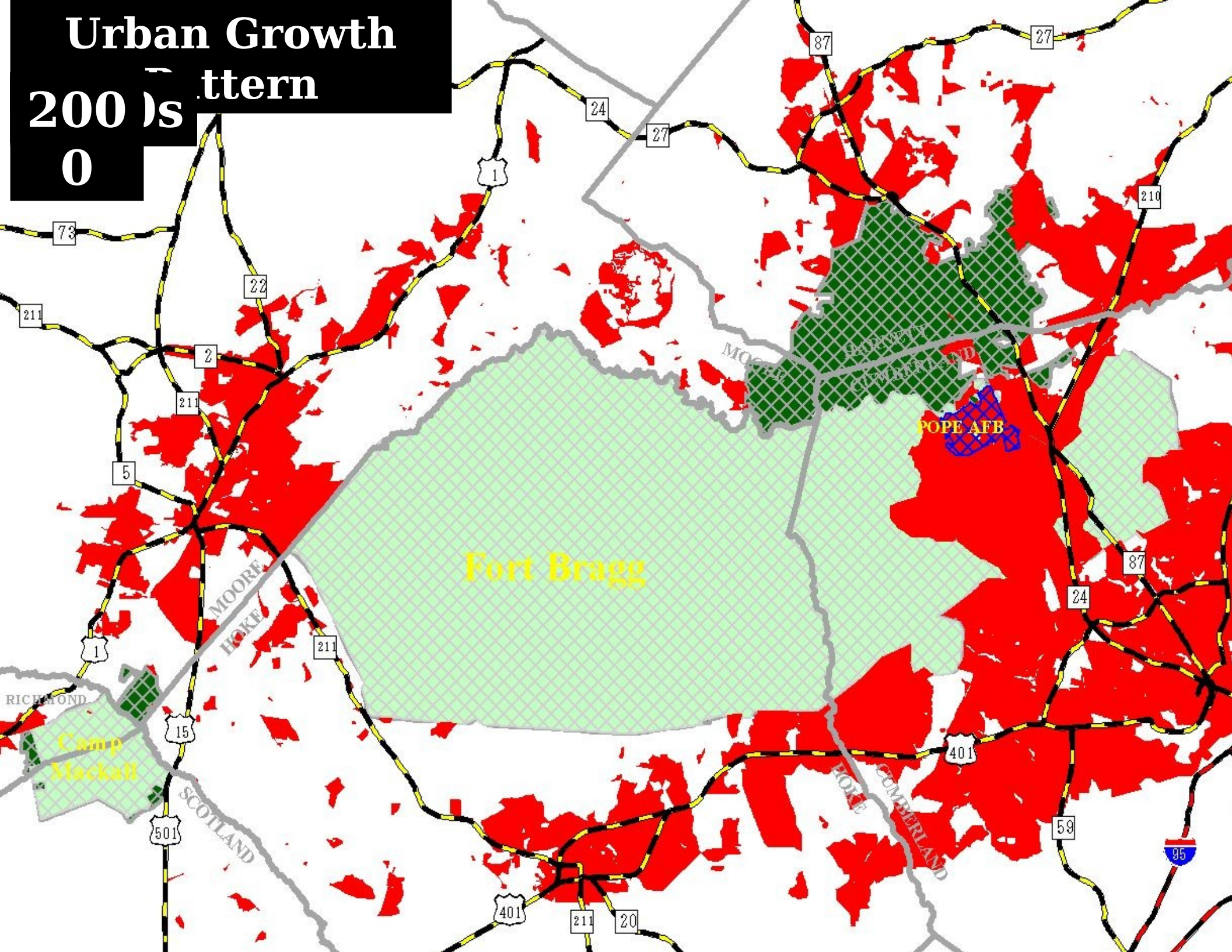


0,000,000,000,000,000 Gallons of water processed!!

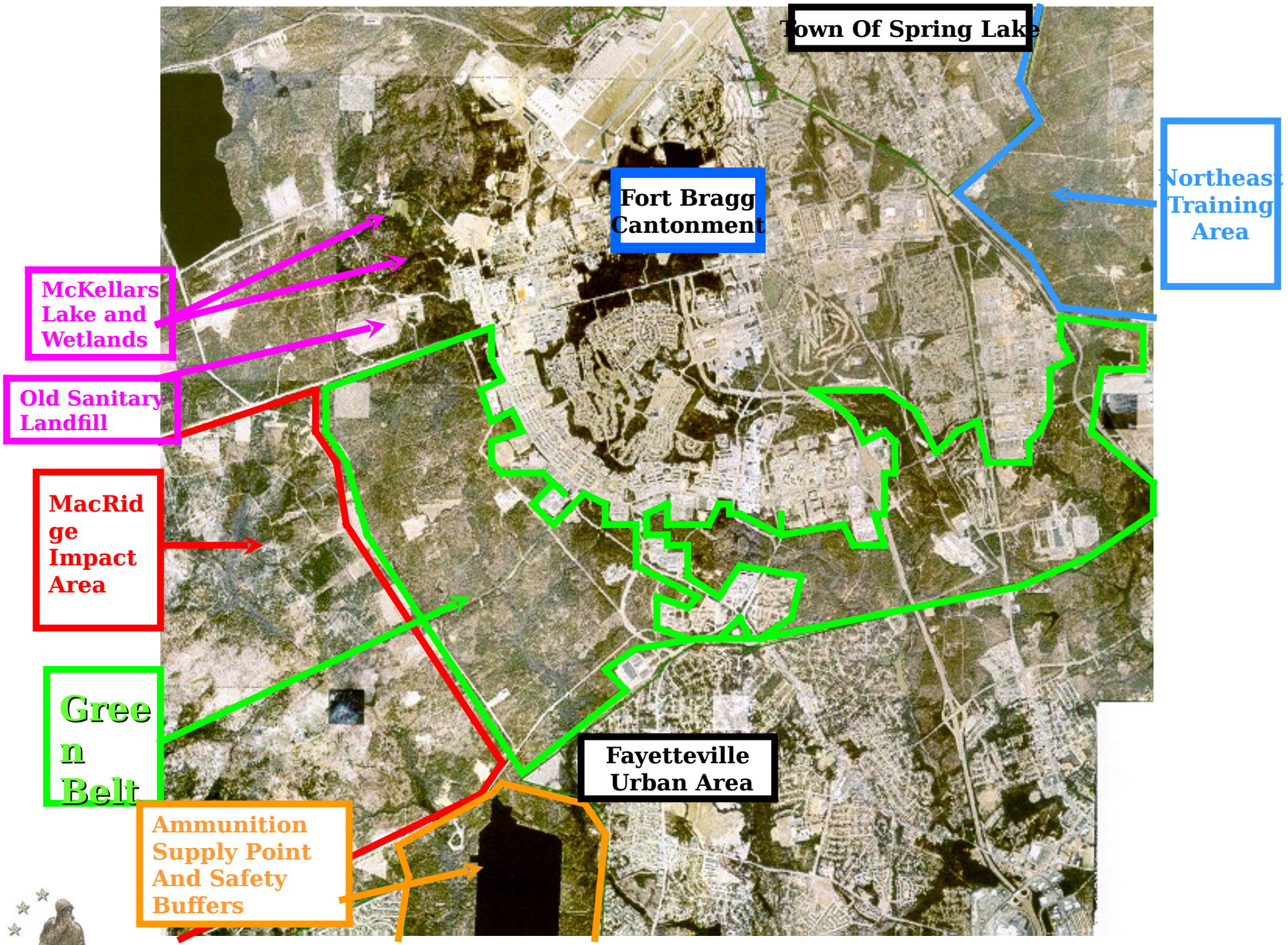
Guilbert
everything for your office
L177 ABB

W695 VAC


WASTE WATER TREATMENT PLANT
WATER TREATMENT PLANT
38-40, 42-45, 50
OU7
OU2
OU1
OU5
OU3
OU6
POPE AIR FORCE BASE
FT BRAGG
MILITARY RESERVATION
BOUNDARY
Not shown on figure
OU8--Multiple site SWMU 33
OU9--Multiple site SWMU 35
OU10--Multiple site SWMU 36
McKellars Pond
McFayden Pond
BUTNER
LONGSTREET
GRUBER RD
HONEYCUTT RD
MURCHISON RD
SWMU 104
CANTONMENT AREA
RESERVATION
MILITARY
FORT BRAGG
Texas Pond
Smith Lake
Bonnie Doone Lake
Kornbow Lake
0 1 2 3 MILES
0 1 2 3 KILOMETERS


Urban Growth
Pattern
200 0s
0
Fort Bragg
POPE AFB
Camp Mackall
MOORE
HOKE
SCOTLAND
CUMBERLAND
RICHMOND
87
27
24
1
210
73
22
211
2
5
15
401
59
95
20
501

St. Mere Eglise Drop Zone
200
0
Military Boundary
Line
US
401
The Right Way....The Green Wa



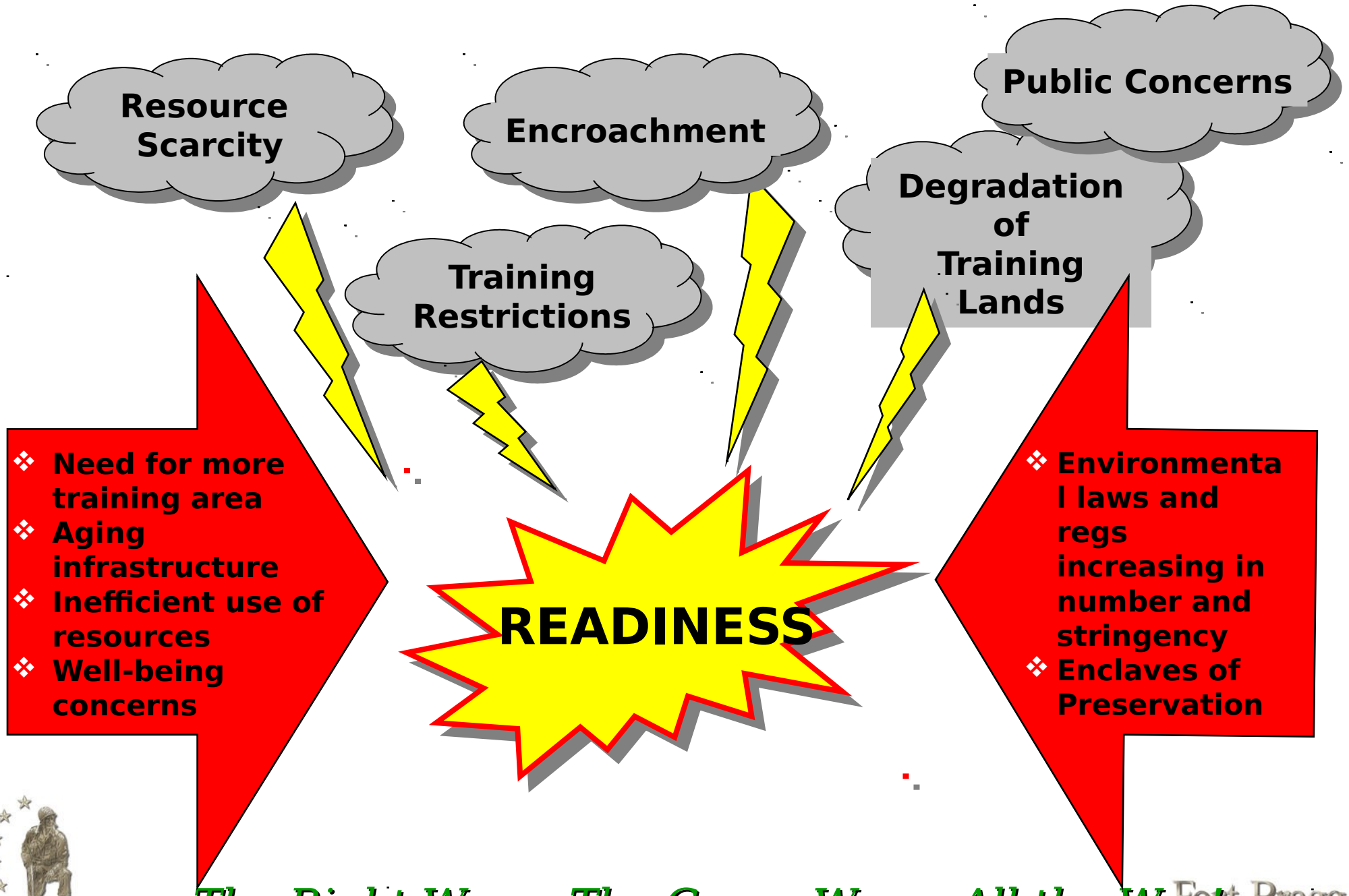
The Right Way....The Green Way....All the Way!

Fort Bragg

The Right Way....The Green Way....All the Way!

Fort Bragg

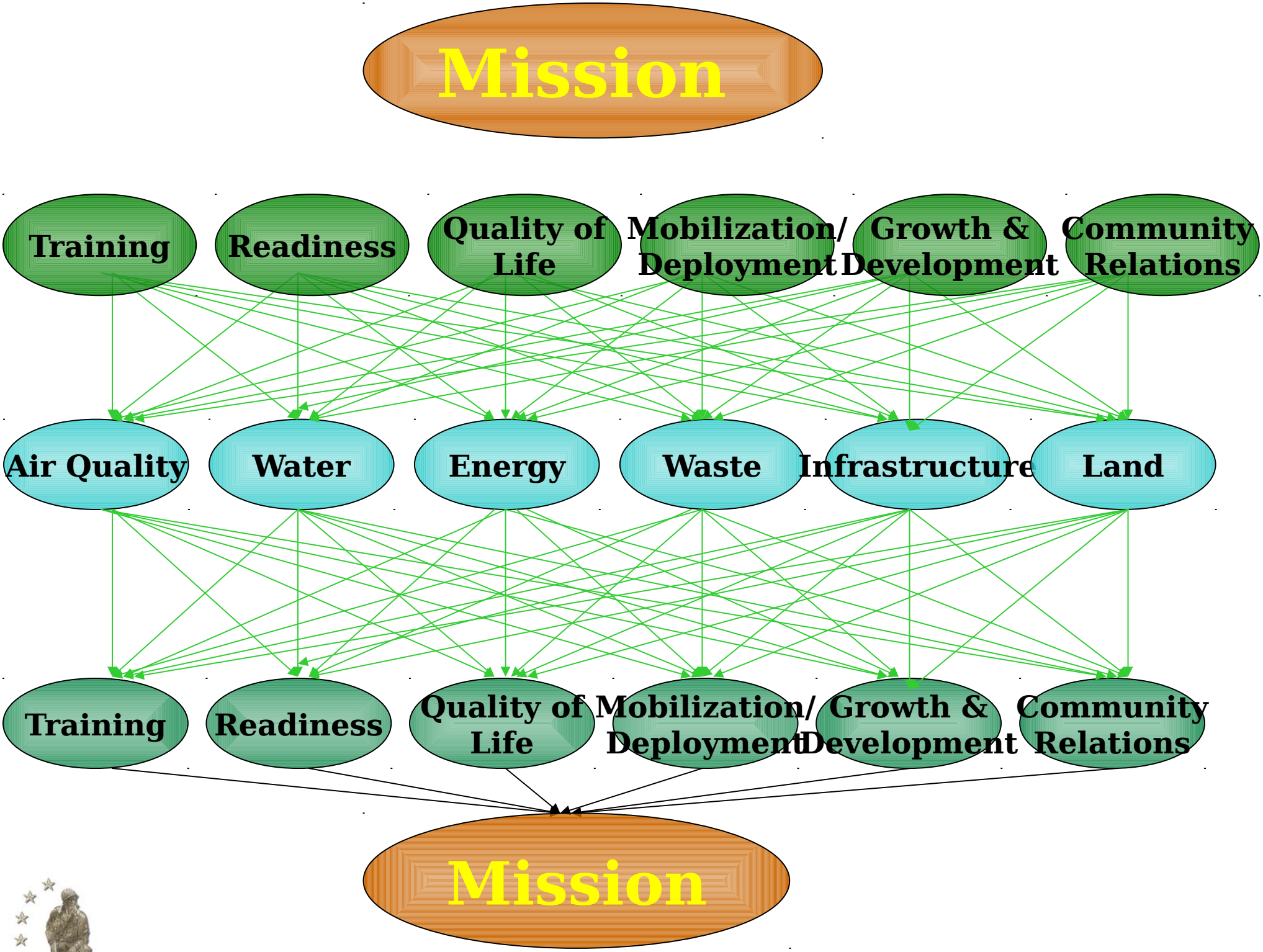
The Situation



Sustainability

What is sustainability to Fort Bragg?

A pro-active approach to ensure the long-term viability and integrity of the mission by minimizing resource needs, reducing environmental impacts, and managing resources while providing realistic training environments.


Mission
Training
Readiness
Quality of Life
Mobilization/ Deployment
Growth & Development
Community Relations
Air Quality
Water
Energy
Waste
Infrastructure
Land
Training
Readiness
Quality of Life
Mobilization/ Deployment
Growth & Development
Community Relations
Mission

Sustainable Fort Bragg Vision

- In order to maintain the Fort Bragg legacy and to continue to train troops to standard, it is necessary to integrate long-term sustainable planning into the day-to-day operations of the installation. Our vision is an installation that will:
  - Provide soldiers with the necessary training to ensure mission success without compromising local or regional environmental quality;
  - Be recognized as a world leader in practicing global citizenship and promoting sustainability values;
  - Continuously seek new technologies, share lessons learned, and promote the exchange of ideas with the region and communities;
  - Restore and protect these valuable assets for future generations, as nationally recognized stewards of significant cultural and natural resources; and
  - Be an integral part of a healthy and thriving region, where all enjoy a high quality of life and access to vital resources.

Goals

1. Reduce amount of water taken from Little River by 70% by 2025, from current withdrawals of 8.5 million gallons/day.
2. All water discharged from Fort Bragg will meet or exceed North Carolina state high quality water (HQW) standard, by 2025.
3. Landfill waste to be aggressively reduced toward 0 by 2025.
4. Meet minimum platinum standard for all construction by 2020 program, and renovate 25% of all existing structures to at least a bronze standard by 2020 (using the Sustainable Project Rating Tool – SPiRiT).
5. Adopt compatible land use laws/regulations with local communities by 2005.
6. Reduce energy use in accordance with Executive Order 13123.

Goals (continued)

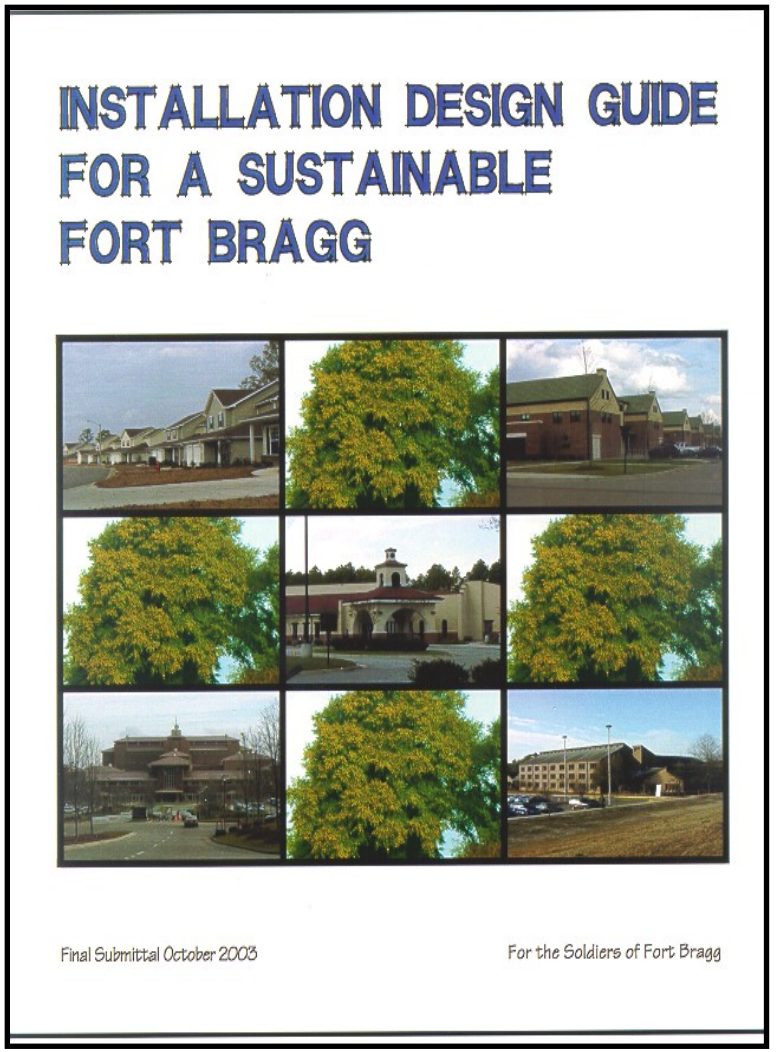
7. Develop and implement an effective regional commuting program by 2015.
8. Reduce the use of both gasoline and diesel in the non-tactical fleet by 70 percent by 2015 and 99 percent by 2025.
9. Develop an integrated environmental education program for Fort Bragg, its surrounding communities and interested parties.
10. Work towards 100% Environmentally Preferred Purchasing by 2025 for all purchases, including government purchase card, contract, and military requisition.
11. Implement a scientifically-based conservation program for natural and cultural resources compatible with military readiness and training.

Successes

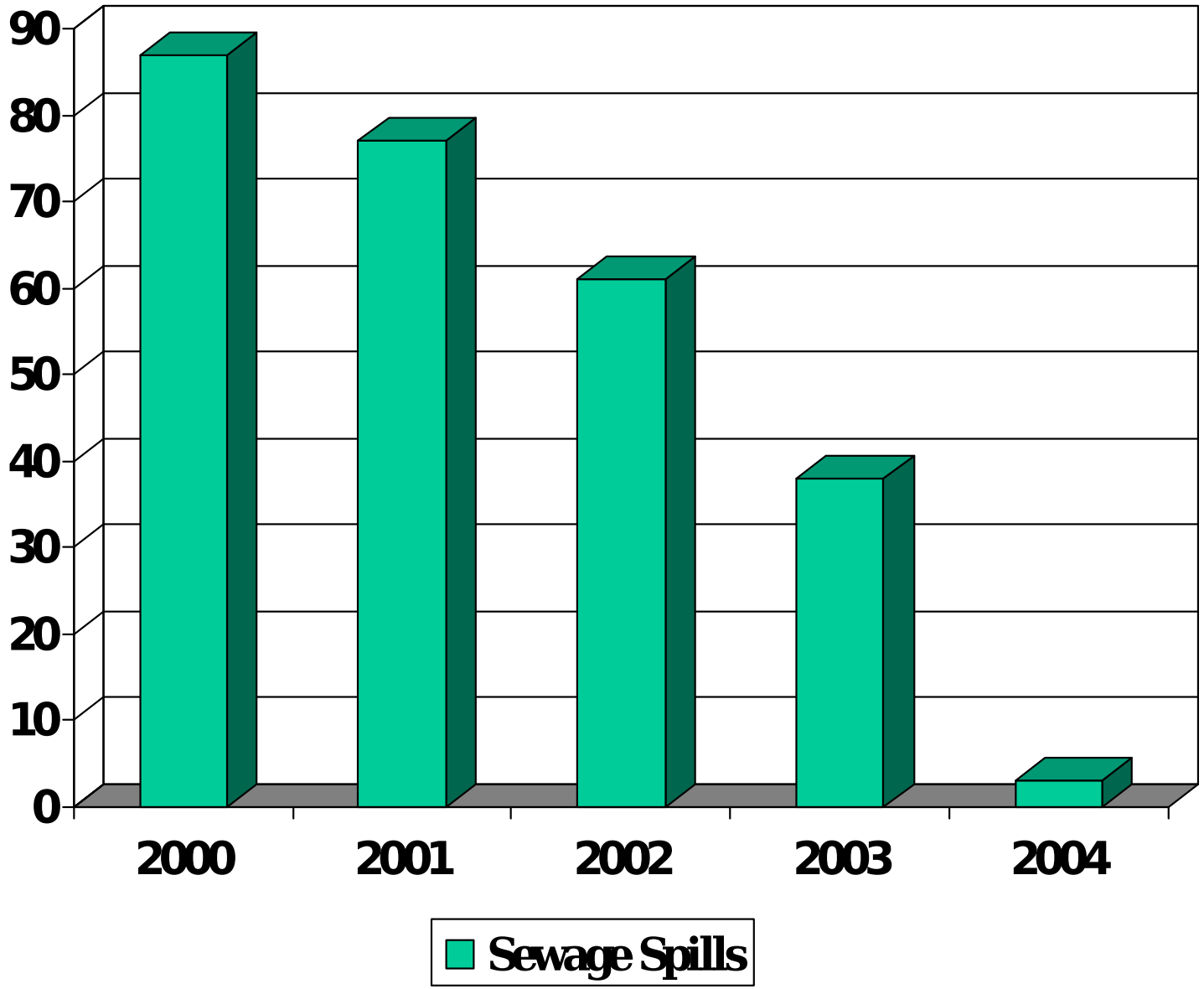
STAINABLE INSTALLATION DESIGN GU

- **Bragg Recently Updated Its IDG To Include Sustainability Criteria:**
  - Reduce Construction Waste
  - Reduce Energy Usage
  - Reduce Water Consumption
  - SPIRIT Standards

- **Currently Updating IDG To Web-Based Document; Final Due - April 2004**



Fort Bragg Sewerage Spills FY00-FY04



Early Successes: Storm Water

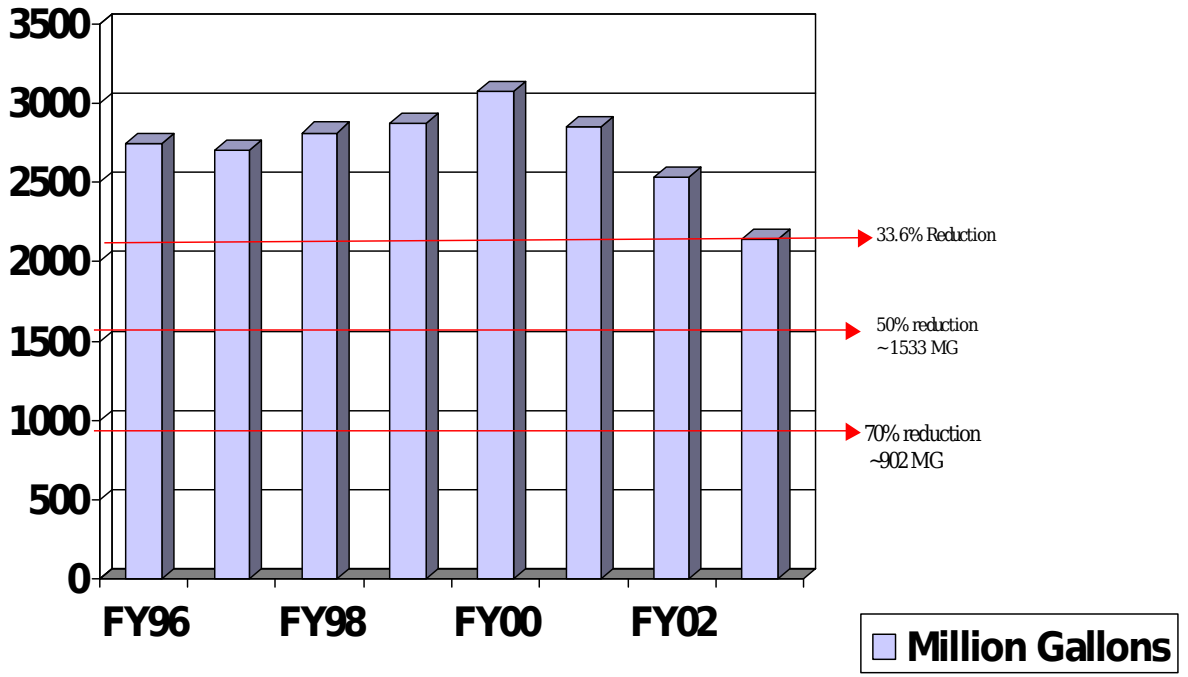
- Demonstration project using Sustainable Design Standards for storm water and **pervious pavement management** in FY 2002-03.
  - Design-bid-build… construction awarded Sept 03, construction begins 08 Dec 03
- Low Impact Development Workshop – June 2003
  - Demonstration Project resulting from workshop

Early Successes: Waste Diversion

- FY02 – 59% Reduction
- FY03 – 39% Reduction
- FY04 -- ??

- Concrete Grinding
- Soil Reclamation
- Metal
- Curb-side Recycling
- Timber Mulching
- White Paper/Cardboard

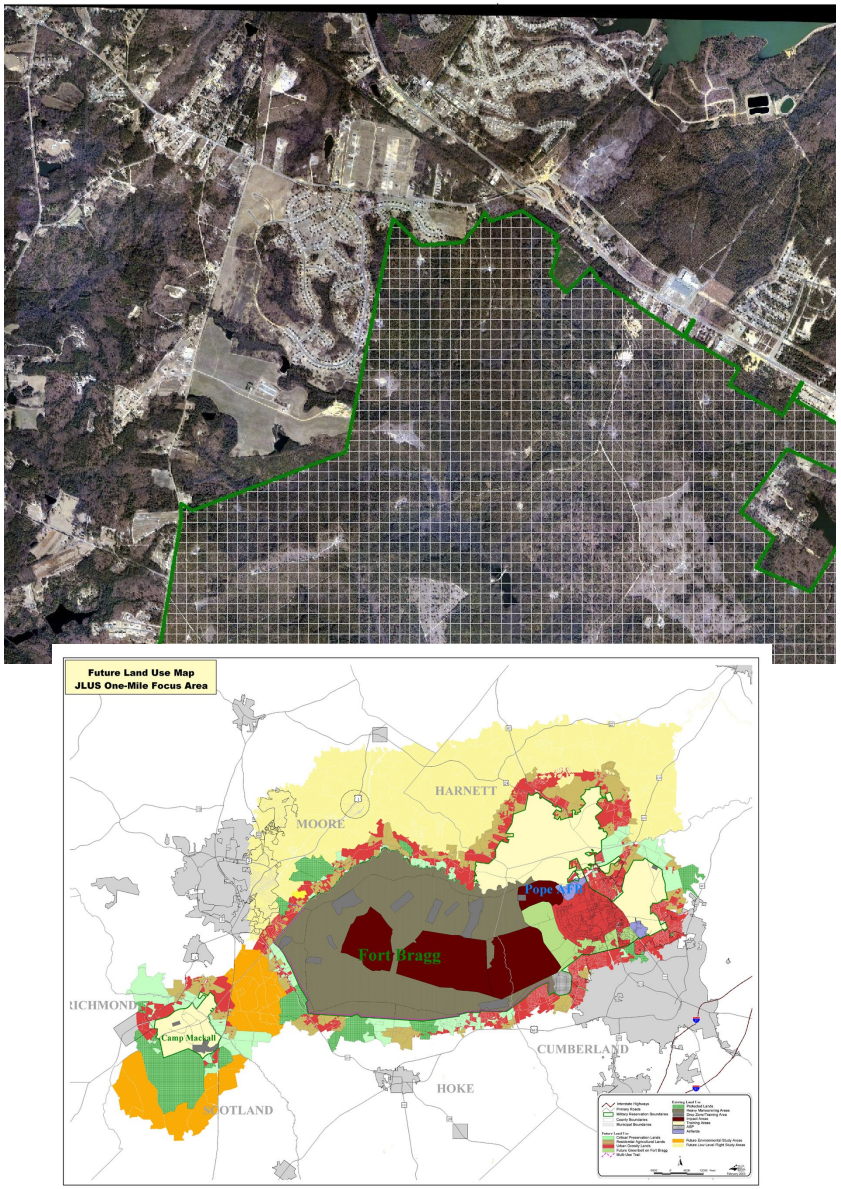
Early Successes: Water Consumption



- Reclaiming treated wastewater in a non-potable irrigation system.
- Reduced Potable Water Consumption:
  - **FY02 -- 25%**
  - **FY03 – 14%**

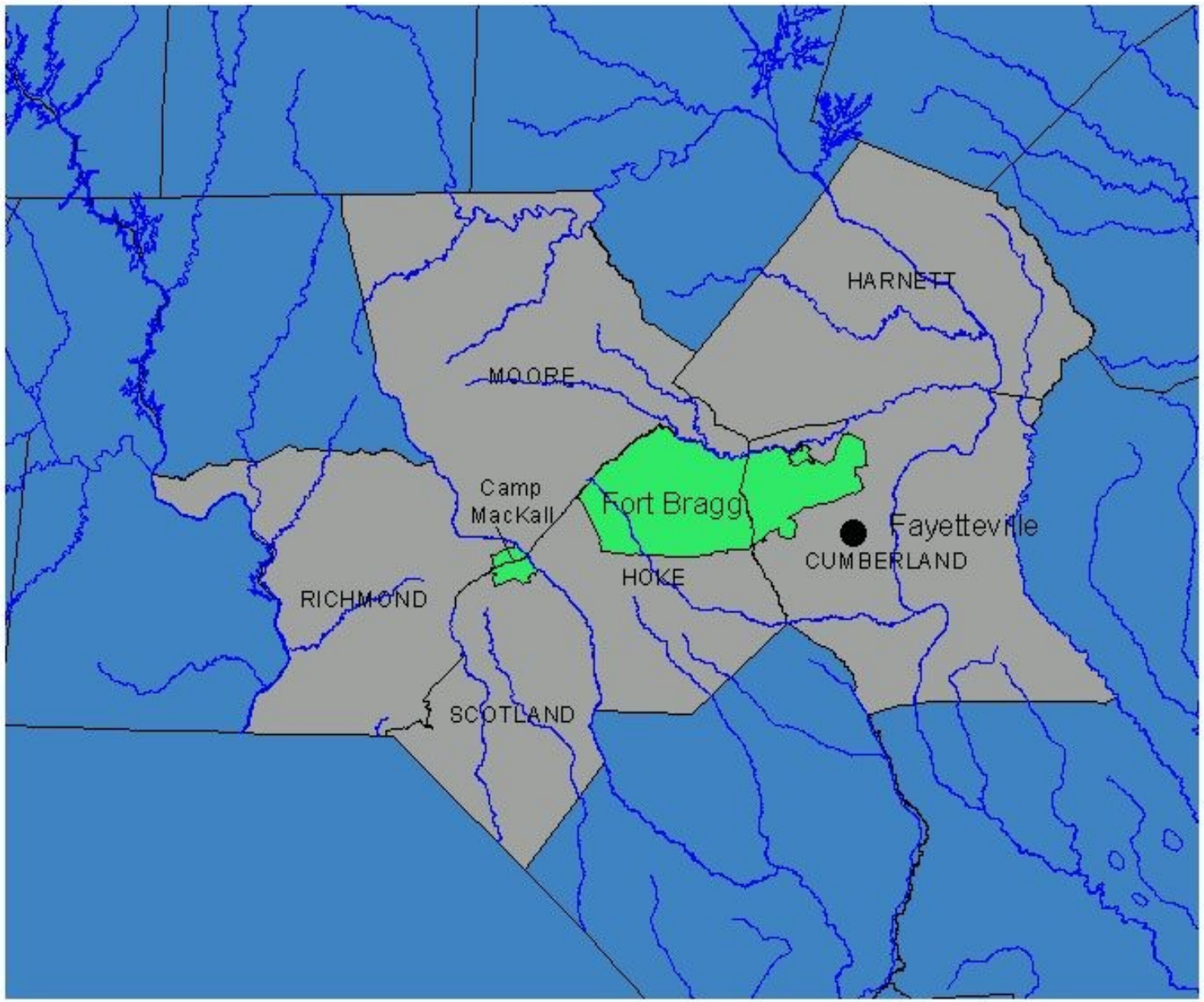
Early Successes: Land Use

- Public Lands Initiative
- Predictive modeling for future land-use along the installation boundary to support on-going Joint Land Use Study and future land use decisions.
- Development of a 6-county (and Fort Bragg) GIS for use by all county and municipality planners to assist in land-use decisions and target conservation opportunities.
- 25-Year Predictive Modeling with Fort Future and CERL

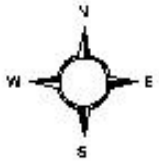


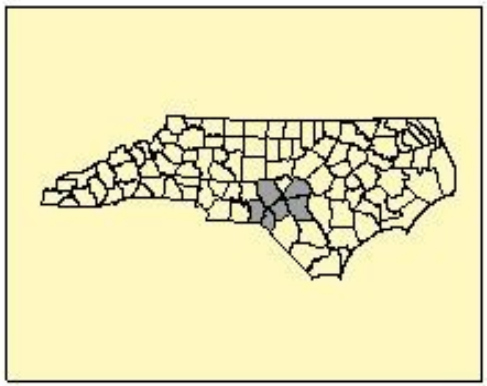
Fort Bragg/Pope Air Force Base Proposed Future Land Use Map

Sustainable Sandhills

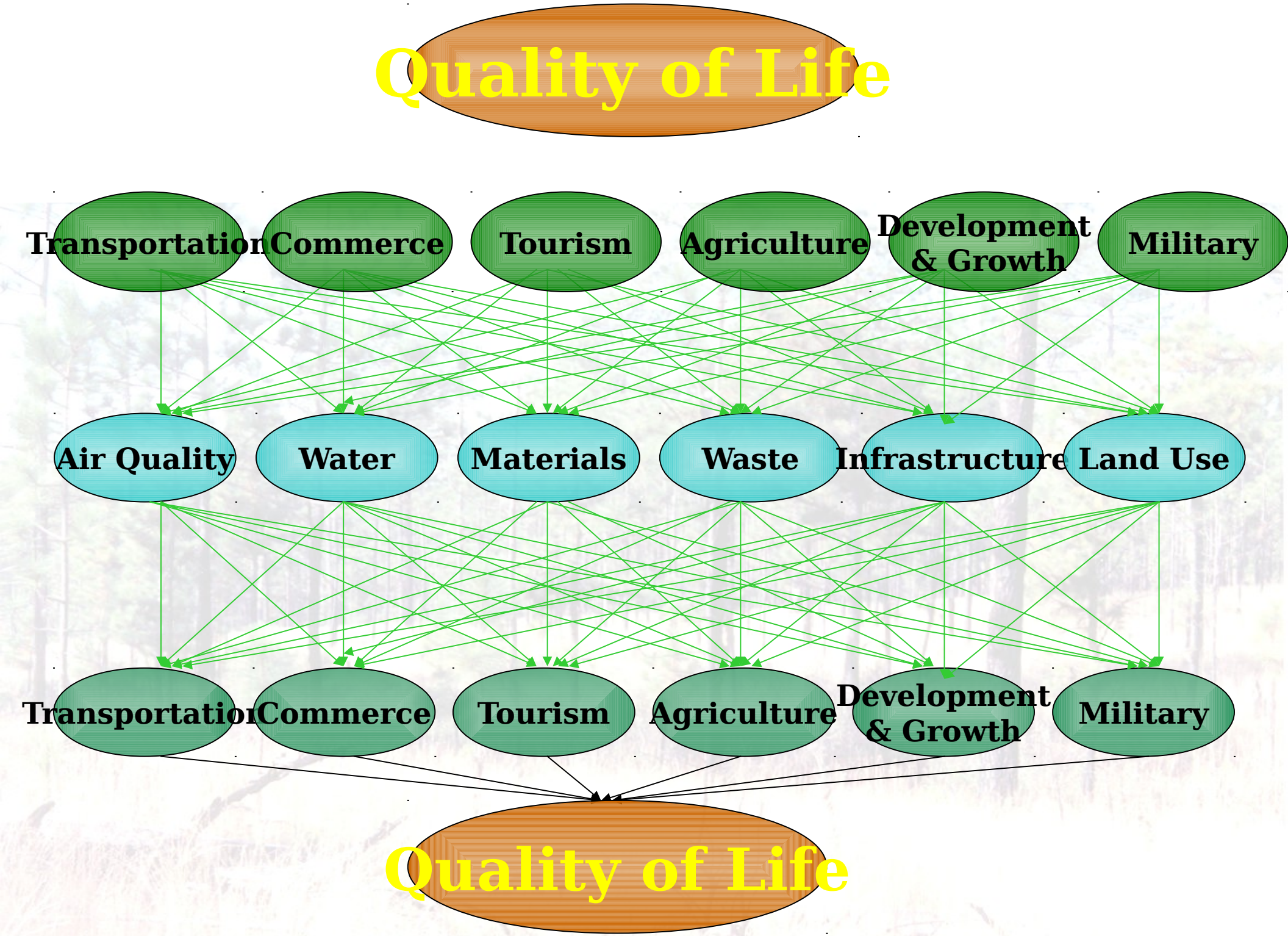


Major Rivers
Area of Operations
Area of Interest
NC Counties





30 0 30 60 Miles


Quality of Life
Transportation
Commerce
Tourism
Agriculture
Development & Growth
Military
Air Quality
Water
Materials
Waste
Infrastructure
Land Use
Transportation
Commerce
Tourism
Agriculture
Development & Growth
Military
Quality of Life

We must walk consciously only part
way toward our goal,
and then
leap in the dark to our success.
Henry David Thoreau